

Table 1. Documented Areas of Flooding, Erosion, or Infrastructure Damage Due to Storms – Town of Walpole

Vulnerability Point	Flooding Source	Description	Information Source
Walpole center	Diamond Brook & Neponset River	Flooding occurred as a result of heavy rainfall from Hurricanes Connie and Diane (1955). 14 houses, a school & 42 commercial establishments around Walpole center were damaged in the flood event (1% annual chance flood event).	FEMA, Revised 2015
Walpole Center	Spring Brook	Flooding occurred due to severe rainstorm (1968)	FEMA, Revised 2015
Moderate flood risk locations in Walpole	Rivers and Streams	Spring storms producing over 9 inches of rain combined with melting snow, lead to record flooding (1987)	FEMA, Revised 2015
Moderate flood risk locations in Walpole	Rivers and Streams	Hurricane Bob (1991) heavy rain	FEMA, Revised 2015
Lewis Avenue	Neponset River	Road crossing flooded (Spring 2010 storm event)	FEMA-1985-DR-MA
Norfolk Street	Possible flood area	Flooding occurred in public roads and driveways (Spring 2010 storm event)	FEMA-1985-DR-MA
Elm Street Train Parking lot	Neponset River	Parking lot flooded (Spring 2010 storm event)	FEMA-1985-DR-MA
Route 27 (East Street) at elm Street	Neponset River	Flooding under train bridge and into downtown area (Spring 2010 storm event)	FEMA-1985-DR-MA
Hoover Road	Plimpton Pond	Flooding	Walpole HMP 2016
Cobbs Brook at Gould Ave and Smith Road	Deans Brook	Flooding	Walpole HMP 2016
Bird Park at Wolcott Ave.	Bird Pond	Flooding (Spring 2010 storm event)	FEMA-1985-DR-MA
Appletree Lane	Mill Brook	Flooding	Walpole HMP 2016
Winter Street at Elm	Neponset River and unnamed pond	Flooding	Walpole HMP 2016
Main Street at Industrial Park	Unnamed Pond	Flooding	Walpole HMP 2016
West Pine Drive at high tension wires	Stop River	Flooding	Walpole HMP 2016
North Street Near Gould Ave.	Streams and crossings that flow to Cobbs Pond	Flooding	Walpole HMP 2016
Railroad tracks at Mill Brook, near Turner Pond	Mill Brook & Turner Pond	Flooding	Walpole HMP 2016
School and Stone Streets	Spring Brook & Memorial Pond	Flooding	Walpole HMP 2016

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School and East Streets	Spring Brook & Memorial Pond	Flooding	Walpole HMP 2016
Common and Washington Streets	Spring Brook and School Meadow Brook	Flooding	Walpole HMP 2016
Stone and Washington. At Allen Dam	Spring brook & Clarks Pond Conservation Area	Flooding	Walpole HMP 2016
Neponset River Choke points	Neponset River	Flooding	Walpole HMP 2016
Oak Street AT Audubon/spring Valley Drive	Streams off the Neponset River	Flooding (spring 2010 storm event)	FEMA-1985-DR-MA
Brown Drive to Spring Valley and Autum Lane	Neponset River	Flooding (spring 2010 storm event)	FEMA-1985-DR-MA
West Street at Spring Street under the bridge	Neponset River & adjacent unnamed ponds	Flooding (Spring 2010 storm event)	FEMA-1985-DR-MA
Meadow Ridge Detention Basin at Pall Mall & Polly Lane	Adjacent unnamed pond, Bird Pond & Plimpton Pond	Flooding (Spring 2010 storm event)	FEMA-1985-DR-MA
Hummingbird Detention Basin	Rainbow Pond	Flooding	Walpole HMP 2016
Plimpton Pond Dam	Plimpton Pond & Neponset River	Risk of flooding possible due to dam failure (low hazard)	Walpole HMP 2016
Ruck-A-Duck Pond Dam	Upstream source	Risk of flooding possible due to dam failure (small unregulated dam)	Walpole HMP 2016
Bird Pond Dam	Bird Pond, Plimpton Pond & Neponset River	Risk of flooding possible due to dam failure (high hazard)	Walpole HMP 2016
Turner Pond Dam	Mine Brook & Turner Pond	Risk of flooding possible due to dam failure (significant hazard)	Walpole HMP 2016
Cobbs Pond Dam	Cobbs Brook & Cobbs Pond	Risk of flooding possible due to dam failure (high hazard)	Walpole HMP 2016
Memorial Pond Dam	Diamond Brook	Risk of flooding possible due to dam failure (significant hazard)	Walpole HMP 2016
Diamond Pond Dam	Diamond Brook 7 brook from Clarks Pond	Risk of flooding possible due to dam failure (significant hazard), 1% annual chance of flooding; no BFE	Walpole HMP 2016

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Clarks Pond Dam	Upstream source	Risk of flooding possible due to dam failure (N/A hazard class)	Walpole HMP 2016
Shacounda Dam	Upstream source	Risk of flooding possible due to dam failure (small unregulated dam)	Walpole HMP 2016
Rieth Pond Dam	Upstream source	Risk of flooding possible due to dam failure (small unregulated dam)	Walpole HMP 2016
Smith Pond Dam	Upstream source	Risk of flooding possible due to dam failure (small unregulated dam)	Walpole HMP 2016
Summer Street culvert	Clark Pond	Risk of flooding possible due to culvert failure (low hazard)	Walpole HMP 2016
Hollingsworth & Vose Dam	Neponset River	Risk of flooding possible due to dam failure (significant hazard)	Walpole HMP 2016
Neponset River Dam (BlackBurn Dam)	Neponset River	Risk of flooding possible due to dam failure (low hazard)	Walpole HMP 2016
Allen Reservoir Dam	Upstream source	Risk of flooding possible due to dam failure (high hazard), 1% annual chance of flooding; no BFE	Walpole HMP 2016
Kendall Mill Dam	Upstream source	Risk of flooding possible due to dam failure (significant hazard)	Walpole HMP 2016
Stetson Pond Dam	Upstream source	Risk of flooding possible due to dam failure (small unregulated dam)	Walpole HMP 2016
Ganawatte Farm Pond Dam	Upstream source	Risk of flooding possible due to dam failure (small unregulated dam)	Walpole HMP 2016

Notes:

1. FEMA Revised 2015– Federal Emergency Management Agency, Revised 2015
2. Walpole Hazard Mitigation plan – Local hazards identified by Town of Walpole as part the metropolitan area planning council
3. FEMA-1985-DR-MA – Town of Walpole, March 12 through April 26, 2010 storm event